



CHRISTMAS BIRD COUNT 12/18/98-1/3/99

Compiled by Marjorie W. Rines and Robert H. Stymeist

The 99th annual Christmas Bird Count (CBC) sponsored by the National Audubon Society was held from December 18, 1998 through January 3, 1999. Eastern Massachusetts and a portion of Rhode Island contain 26 count areas (see map). Results from these counts (with the exception of Tuckernuck, which was not conducted this year) are summarized on the following pages. Counts in eastern Massachusetts uncovered 201 species, plus "Common" Teal, "Audubon's" Warbler, and "Ipswich" Sparrow. Three additional species were recorded during the count period, but not during a count: an Osprey from Quincy, a Thayer's Gull on Nantucket, and a Yellow-throated Warbler from Concord. The total of over 200 species in winter in eastern Massachusetts is extraordinary. Twenty-seven species were represented by just a single individual and deserve special mention: Eared and Western grebes, Great and Snowy egrets, Green Heron, Greater White-fronted Goose, Tundra Swan, Tufted Duck, Clapper and Sora rails, Lesser Yellowlegs, Semipalmated and Least sandpipers, Pomarine Jaeger, Little Gull, Atlantic Puffin, Ash-throated Flycatcher, Blue-gray Gnatcatcher, American Pipit, Nashville and Wilson's warblers, Northern Parula, American Redstart, Clay-colored and Grasshopper sparrows, Yellow-headed Blackbird, and Bullock's Oriole. Now, that's impressive!

Top honors for most species went to Cape Cod, with 136, and the runner-up was Nantucket with 130 species; nine other counts broke over 100. Mild weather from November right through to December 31 certainly contributed to the overall high numbers; if the counts had been a week earlier, the list of warbler species would have rivaled that seen on a day in May! Compilers reported high numbers for many species, but the number of American Robins was astonishing: a total of 64,141 were tallied, 30,000-plus from the Mid-Cape CBC alone. Other significant increases were noted in the totals for Red-bellied Woodpecker, American Crow, Carolina Wren, Eastern Bluebird, Hermit Thrush, Cedar Waxwing and Orange-crowned Warbler — and 10 Yellow-breasted Chats wasn't so bad, either. On the flip side, gull numbers seemed low, and whatever happened to Purple Finches?

Map on facing page: Each Christmas Count Circle was located by the latitude and longitude of its center. Counts completed in our reporting area and compiled below are listed in bold type: **Athol (1), Buzzards Bay (2), Cape Ann (3), Cape Cod (4), Central Berkshire (5), Concord (6), Greater Boston (7), Greenfield (8), Marshfield (9), Martha's Vineyard (10), Mid-Cape Cod (11), Millis (12), Nantucket (13), New Bedford (14), Newburyport (15), Northampton (16), Northern Berkshire (17), Plymouth (18), Quincy (19), Springfield (20), Taunton-Middleboro (21), Tuckernuck Island (22), Uxbridge, MA/RI (23), Westminster (24), Worcester (25), Newport County, RI/Westport, MA (26), Stellwagen Bank (27), Quabbin (28), Andover (29), Southern Berkshire (30), Sturbridge (31), and Truro (32).**

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species	And.	Ath.	B.B.	C. Ann	C. Cod	Con.Gr.	Bos.	Marsh.	M.V.	Mid-C.	Millis
Red-throated Loon	0	0	3	5	139	0	64	19	100	33	0
Common Loon	1	2	19	95	96	0	5	72	410	103	0
Pied-billed Grebe	0	0	23	0	36	0	7	0	14	15	5
Horned Grebe	0	0	53	54	67	0	105	22	400	93	0
Red-necked Grebe	0	0	5	25	9	0	131	28	41	30	0
Eared Grebe	0	0	0	1	0	0	0	0	0	0	0
Western Grebe	0	0	0	0	0	0	0	0	0	0	0
Northern Gannet	0	0	15	87	1365	0	0	15	161	135	0
Great Cormorant	1	0	39	160	6	0	5	62	130	56	0
Double-cr. Cormorant	3	0	9	3	4	0	8	0	8	2	0
American Bittern	0	0	0	0	1	0	1	0	0	2	0
Great Blue Heron	2	2	30	10	118	6	32	17	53	58	8
Great Egret	0	0	0	0	1	0	0	0	0	0	0
Snowy Egret	0	0	0	0	1	0	0	0	0	0	0
Green Heron	0	0	0	0	0	1	0	0	0	0	0
Black-cr. Night-Heron	0	0	0	0	1	0	1	0	4	2	0
Turkey Vulture	0	0	5	0	1	0	0	0	0	0	0
Gr. W.-fronted Goose	0	0	0	0	0	0	1	0	0	0	0
Snow Goose	0	1	2	3	0	1	3	2	2	cw	0
Canada Goose	1644	169	793	1832	2263	3881	4130	1740	1370	607	2247
Brant	0	0	94	0	914	0	859	529	46	157	0
Mute Swan	0	0	77	20	26	10	33	51	230	137	50
Tundra Swan	0	0	0	0	0	0	0	0	0	0	0
Whooper Swan	0	0	0	0	0	0	0	0	0	0	0
Wood Duck	1	0	3	3	0	3	8	0	17	1	0
Gadwall	0	0	16	43	1	0	12	3	16	185	0
Eurasian Wigeon	0	0	0	0	2	0	1	0	1	2	0
American Wigeon	0	0	17	2	114	0	59	3	88	87	30
Black Duck	96	36	924	478	2631	199	695	2688	1050	1996	158
Mallard	1576	211	484	528	312	1364	2132	803	760	1123	876
Blue-winged Teal	0	0	0	0	0	0	0	0	0	0	0
Northern Shoveler	0	0	0	0	0	4	7	0	4	cw	1
Northern Pintail	2	0	0	0	0	15	4	8	6	15	6
Green-winged Teal	0	0	2	2	43	7	34	1	75	74	0
"Common" Teal	0	0	0	0	1	0	0	0	0	0	0
Canvasback	0	0	31	0	160	0	1	0	3	49	0
Redhead	0	0	0	0	0	0	1	0	0	0	0
Ring-necked Duck	0	0	39	54	67	13	116	0	29	69	86
Tufted Duck	0	0	0	0	0	0	0	0	0	0	0
Greater Scaup	0	0	2372	10	48	0	185	3	500	60	0
Lesser Scaup	29	0	31	8	33	0	12	0	11	32	1
King Eider	0	0	1	1	0	0	2	0	1	0	0
Common Eider	1	0	845	1229	8183	0	1541	3445	14350	1470	0
Harlequin Duck	0	0	0	66	8	0	0	10	42	3	0
Surf Scoter	0	0	74	41	135	0	98	24	273	68	0
White-winged Scoter	0	0	110	556	628	0	249	323	470	289	0
Black Scoter	0	0	8	62	62	0	1	38	600	6	0
Oldsquaw	0	0	66	115	376	0	0	189	31	233	0
Bufflehead	12	0	1292	526	2041	0	757	647	1740	1174	4
Common Goldeneye	40	6	592	246	512	8	424	155	650	240	30
Barrow's Goldeneye	0	0	2	4	0	0	2	0	0	1	0
Hooded Merganser	8	37	308	2	120	23	194	0	256	131	77

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	Nant.	N.B.	Nbpt	Newp	Ply.	Quab.	Quin.	Stell.	Stur.	Tau-Mb.	Truro	Uxb.	West.	Worc.
RTLO	47	1	22	23	14	0	31	65	0	0	18	0	0	0
COLO	143	3	66	70	55	5	32	26	cw	0	94	0	0	7
PBGR	34	0	0	4	14	0	2	0	0	3	5	0	0	1
HOGR	27	88	40	62	48	6	128	2	0	0	93	0	0	2
RNGR	11	0	7	8	6	0	120	12	0	0	4	0	0	0
EAGR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEGR	0	0	0	1	0	0	0	0	0	0	0	0	0	0
NOGA	79	0	36	157	209	0	0	2206	0	0	442	0	0	0
GRCO	85	25	33	336	23	0	190	86	0	2	99	0	0	0
DCCO	5	4	0	12	3	0	2	1	0	2	0	0	0	1
AMBI	1	0	0	0	0	0	0	0	0	0	0	0	0	0
GBHE	34	9	12	47	11	0	15	6	7	12	15	5	3	4
GREG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNEG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRHE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BCNH	4	0	0	0	2	0	0	2	0	0	0	0	0	0
TUVU	0	7	0	35	0	0	cw	0	0	0	0	0	0	0
GWFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGO	6	5	3	2	1	0	cw	0	cw	1	0	0	0	0
CAGO	610	923	3975	6001	920	0	1709	15	1352	1490	133	1026	78	1471
BRAN	197	212	0	18	216	0	967	8	0	0	338	0	0	0
MUSW	41	101	35	132	80	0	40	0	0	28	0	0	0	7
TUSW	0	0	0	1	0	0	0	0	0	0	0	0	0	0
WHSW	0	0	13	0	0	0	0	0	0	0	0	0	0	0
WODU	2	2	1	0	1	0	0	1	0	4	0	0	0	cw
GADW	2	19	9	133	79	0	0	2	0	0	0	1	0	4
EUWI	0	0	0	1	1	0	0	0	0	0	0	0	0	0
AMWI	15	2	34	60	84	0	0	0	0	3	0	0	0	7
ABDU	878	347	3747	1154	1157	111	1081	215	137	262	841	75	52	181
MALL	874	670	832	749	419	434	450	12	724	466	25	326	441	1032
BWTE	0	0	0	0	2	0	0	0	0	0	0	0	0	0
NSHO	6	0	0	25	0	0	0	0	0	0	0	0	0	0
NOPI	5	0	99	26	4	1	2	0	0	0	1	cw	1	1
GWTE	17	12	11	71	3	0	14	3	1	0	0	0	0	1
"COTE"	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CANV	205	0	0	85	0	0	22	0	0	9	0	0	0	0
REDH	4	0	0	0	1	0	0	0	0	0	0	0	0	1
RNDU	52	0	11	16	23	20	44	0	10	12	26	1	0	103
TUDU	0	0	0	0	0	0	0	0	0	0	0	0	0	1
GRSC	588	330	4	825	50	2	277	10	13	2	10	0	0	31
LESC	2	420	20	34	1	0	2	0	0	1	0	0	0	0
KIEI	1	0	0	0	1	0	1	0	0	0	0	0	0	0
COEI	30903	134	317	838	2678	0	2935	412	0	0	219	0	0	0
HADU	27	0	0	144	1	0	0	0	0	0	0	0	0	0
SUSC	57	10	0	60	302	0	106	0	0	0	24	0	0	0
WWSC	354	42	386	73	470	0	904	29	0	0	880	0	cw	0
BLSC	648	1	0	184	13	0	313	5	0	0	53	0	0	0
OLDS	46174	10	103	4	35	0	287	20	0	0	115	0	0	0
BUFF	956	408	378	599	348	0	987	117	8	100	216	0	0	1
COGO	1099	368	271	907	159	49	614	55	21	161	57	0	0	102
BAGO	3	0	0	0	2	0	0	0	0	0	0	0	0	0
HOME	90	12	7	63	115	51	126	3	48	44	2	8	10	199

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Red-br. Merganser	0	0	1163	453	2138	0	807	317	1540	1010	3
Common Merganser	84	36	27	0	13	104	271	0	cw	113	44
Ruddy Duck	14	0	122	0	147	13	142	1	26	1	0
Bald Eagle	0	2	1	0	0	1	0	1	0	0	0
Northern Harrier	0	0	5	5	19	8	cw	18	16	28	0
Sharp-shinned Hawk	3	2	10	2	10	8	6	9	4	12	7
Cooper's Hawk	1	5	4	3	3	5	6	3	6	11	6
Northern Goshawk	3	2	0	0	0	3	0	0	0	0	0
Red-should. Hawk	0	0	0	0	1	5	0	3	0	0	0
Red-tailed Hawk	12	3	9	33	19	80	72	26	53	17	34
Rough-legged Hawk	0	0	0	0	0	1	0	0	0	0	0
American Kestrel	3	0	4	4	0	1	14	1	cw	0	1
Merlin	0	0	1	1	2	0	6	1	3	4	0
Peregrine Falcon	1	0	1	0	0	0	cw	0	4	2	0
Ring-n. Pheasant	2	4	2	2	1	3	16	0	3	0	6
Ruffed Grouse	2	1	3	1	cw	2	0	2	0	0	6
Wild Turkey	0	99	0	0	0	20	0	0	29	12	38
Northern Bobwhite	0	0	1	0	3	0	0	0	15	17	1
Clapper Rail	0	0	0	0	0	0	0	0	0	1	0
Clapper/King Rail	0	0	0	0	1	0	0	0	0	0	0
Virginia Rail	0	0	2	0	9	0	1	9	4	35	0
Sora	0	0	0	0	0	0	0	0	0	0	0
American Coot	0	0	225	9	14	3	179	1	68	18	65
Black-bellied Plover	0	0	15	2	76	0	2	4	146	0	0
Killdeer	0	0	1	5	0	0	0	1	11	cw	0
Greater Yellowlegs	0	0	1	1	10	0	3	0	11	8	0
Lesser Yellowlegs	0	0	0	0	1	0	0	0	0	0	0
Whimbrel	0	0	0	0	0	0	0	0	0	1	0
Ruddy Turnstone	0	0	37	0	0	0	0	0	0	0	0
Red Knot	0	0	0	0	18	0	0	0	0	0	0
Sanderling	0	0	12	0	2636	0	3	94	376	2199	0
Semipal. Sandpiper	0	0	0	0	1	0	0	0	0	0	0
Western Sandpiper	0	0	0	0	3	0	0	0	0	0	0
Least Sandpiper	0	0	0	0	1	0	0	0	0	0	0
Purple Sandpiper	0	0	3	8	0	0	53	7	10	0	0
Dunlin	0	0	23	232	8991	0	1	1968	180	1443	0
Long-billed Dowitcher	0	0	0	0	0	0	0	0	0	3	0
Common Snipe	0	0	4	0	7	2	0	3	16	8	2
American Woodcock	0	0	0	0	2	0	1	0	2	2	0
Pomarine Jaeger	0	0	0	0	0	0	0	0	0	0	0
Laughing Gull	0	0	0	0	0	0	2	0	0	0	0
Little Gull	0	0	0	0	0	0	0	0	0	0	0
Black-headed Gull	0	0	1	1	0	0	3	0	0	1	0
Bonaparte's Gull	0	0	87	75	87	0	331	21	80	64	0
Ring-billed Gull	1081	5	278	217	513	110	3904	218	216	511	905
Herring Gull	380	154	811	6943	2670	292	2556	3306	1320	1389	194
Iceland Gull	0	0	0	0	1	0	cw	0	0	0	0
Lesser B.B. Gull	0	0	0	0	1	0	0	0	0	0	0
Glaucous Gull	0	0	0	0	0	0	0	0	0	0	0
Great B.B. Gull	46	6	146	2569	1754	32	272	832	310	339	15
Black-leg. Kittiwake	0	0	0	1	192	0	0	0	31	13	0
Dovekie	0	0	0	0	0	0	0	0	0	4	0

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RBME	1253	166	322	1016	265	0	847	2270	0	9	464	0	0	1
COME	8	7	80	262	193	172	67	22	332	76	94	10	cw	182
RUDU	4	0	50	606	6	0	148	0	3	124	5	cw	0	0
BAEA	0	0	5	0	2	10	0	0	4	0	0	1	0	0
NOHA	33	3	0	21	0	0	0	7	1	4	14	5	0	0
SSHA	9	3	6	8	4	0	1	0	7	4	3	cw	0	2
COHA	4	1	6	5	0	1	1	1	3	5	0	1	0	4
NOGO	0	0	0	0	0	cw	0	0	1	0	0	0	0	0
RSHA	0	0	0	0	0	0	0	0	1	5	0	0	0	0
RTHA	34	1	79	36	7	37	15	0	34	41	4	41	21	28
RLHA	0	0	7	0	0	0	0	0	0	0	0	0	0	0
AMKE	cw	cw	4	7	1	1	2	0	0	3	1	1	1	2
MERL	10	0	1	1	1	0	cw	0	0	2	0	0	0	0
PEFA	1	1	0	1	0	0	cw	1	0	0	0	0	0	1
RIPH	13	1	9	0	0	2	1	0	6	0	1	6	0	cw
RUGR	0	0	5	0	0	16	2	0	5	0	0	8	7	5
WITU	0	0	47	1	0	62	0	0	92	cw	0	14	31	13
NOBO	0	0	0	0	0	0	0	1	0	0	0	0	0	0
CLRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CL/KIRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VIRA	5	0	0	1	0	0	0	0	0	0	0	3	0	0
SORA	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AMCO	54	12	1	116	48	0	18	0	0	1	0	2	0	25
BBPL	21	3	1	0	2	0	0	0	0	0	1	0	0	0
KILL	2	6	2	16	0	0	0	0	0	6	0	1	0	0
GRYE	4	0	0	0	0	0	0	1	0	0	cw	0	0	0
LEYE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHIM	1	0	0	0	0	0	0	0	0	0	1	0	0	0
RUTU	7	1	0	19	0	0	6	0	0	0	0	0	0	0
REKN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND	238	0	2	175	64	0	cw	160	0	0	137	0	0	0
SESA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESA	1	0	0	0	0	0	0	0	0	0	0	0	0	0
LESA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUSA	36	0	15	163	1	0	37	0	0	0	0	0	0	0
DUNL	8	239	241	358	74	0	3	9	0	0	281	0	0	0
LBDO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COSN	7	0	3	14	0	0	0	0	0	1	0	2	0	1
AMWO	0	0	0	2	1	0	1	0	2	0	1	0	0	0
POJA	cw	0	0	0	0	0	0	1	0	0	0	0	0	0
LAGU	0	1	0	0	0	0	0	0	0	0	0	0	0	0
LIGU	1	0	0	0	0	0	0	0	0	0	0	0	0	0
BHGU	1	0	2	0	0	0	1	0	0	0	cw	0	0	0
BOGU	2550	25	239	83	194	0	394	5	0	0	0	0	0	0
RBGU	36	1161	1123	4548	580	9	1637	29	147	175	45	53	36	1327
HEGU	6516	671	3304	2092	951	12	4587	750	130	730	997	62	661	249
ICGU	55	0	4	0	0	0	0	21	0	0	4	0	0	0
LBBG	5	0	0	0	0	0	1	1	0	0	0	0	0	0
GLGU	cw	0	0	1	0	0	0	1	0	1	0	0	0	0
GBBG	809	74	453	632	219	3	524	635	38	250	259	39	159	28
BLKI	cw	0	2	4	2	0	0	188	0	0	4	0	0	0
DOVE	cw	0	0	1	0	0	0	2	0	0	1	0	0	0

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Common Murre	0	0	0	0	8	0	0	0	0	0	0
Thick-billed Murre	0	0	0	0	0	0	0	2	0	0	0
Razorbill	0	0	0	33	6512	0	0	7	76	68	0
Black Guillemot	0	0	0	54	1	0	0	10	0	0	0
Atlantic Puffin	0	0	0	0	0	0	0	0	0	0	0
Rock Dove	925	1259	137	1172	156	514	3228	273	261	244	776
Mourning Dove	232	306	220	272	372	832	685	305	550	383	581
Barn Owl	0	0	0	0	0	0	1	0	13	0	0
Eastern Screech-Owl	0	0	5	25	17	23	26	68	12	7	2
Great Horned Owl	0	6	6	18	19	22	4	8	3	15	3
Barred Owl	0	6	0	0	0	4	0	1	0	0	0
Long-eared Owl	0	0	2	0	0	0	0	1	cw	1	0
Short-eared Owl	0	0	0	0	0	0	0	1	2	0	0
Saw-whet	cw	22	0	1	0	0	0	2	3	1	1
Belted Kingfisher	3	3	22	12	28	11	14	3	18	25	11
Red-hea. Woodpecker	0	0	0	0	1	0	0	0	1	0	1
Red-bel. Woodpecker	3	0	10	4	13	24	6	5	26	7	16
Yellow-bel. Sapsucker	0	0	0	0	2	0	1	1	4	1	0
Downy Woodpecker	66	79	74	78	88	367	265	68	79	82	183
Hairy Woodpecker	18	23	11	9	11	65	7	9	16	16	15
Northern Flicker	6	0	69	16	113	8	61	37	87	104	29
Pileated Woodpecker	1	3	0	6	0	5	cw	0	0	0	1
Eastern Phoebe	0	0	0	0	1	0	0	0	1	0	0
Ash-thr. Flycatcher	0	0	0	0	0	0	1	0	0	cw	0
Northern Shrike	0	2	0	1	0	3	0	0	0	0	0
Blue Jay	197	494	580	488	391	756	410	241	337	477	504
American Crow	4488	399	682	894	563	1815	4342	619	1520	523	1522
Fish Crow	9	0	0	0	0	0	64	1	0	0	0
Common Raven	0	13	0	0	0	0	0	0	0	0	0
Horned Lark	0	67	29	94	91	241	2	88	31	14	0
B.C. Chickadee	445	1218	941	601	1171	1820	949	524	990	1190	1157
Tufted Titmouse	144	197	258	213	133	686	305	210	0	110	533
Red-br. Nuthatch	6	36	1	4	8	18	16	2	17	1	6
White-br. Nuthatch	82	114	75	127	77	388	240	68	122	63	276
Brown Creeper	3	13	11	14	4	24	10	3	8	3	17
Carolina Wren	3	2	206	11	128	47	31	55	165	160	56
House Wren	0	0	0	0	0	0	1	0	1	0	0
Winter Wren	1	1	13	4	6	1	6	0	8	10	5
Marsh Wren	0	0	0	0	10	0	0	0	4	12	0
Blue-gray Gnatcatcher	0	0	0	0	1	0	0	0	0	0	0
Golden-cr. Kinglet	17	108	201	43	66	127	45	46	120	52	82
Ruby-cr. Kinglet	1	0	10	0	3	0	5	0	7	3	0
Eastern Bluebird	0	0	14	8	29	83	0	36	151	40	84
Hermit Thrush	0	1	55	1	28	4	7	7	34	25	1
American Robin	15	10	2219	363	3741	261	4432	856	2590	30346	502
Gray Catbird	1	0	29	2	10	2	10	1	82	37	3
Mockingbird	35	9	63	82	94	124	231	57	107	79	65
Brown Thrasher	0	0	2	0	0	0	0	0	4	3	0
European Starling	2711	1142	1484	6167	1376	3387	37413	4621	2250	6971	3723
American Pipit	0	0	0	0	0	0	0	0	0	0	0
Cedar Waxwing	126	532	715	308	964	148	192	591	680	1946	1006
Orange-cr. Warbler	1	0	1	0	10	0	2	0	1	0	0

99th CHRISTMAS BIRD COUNT, December 18, 1998-January 3, 1999

	Nant.	N.B.	Nbpt	Newp	Ply.	Quab.	Quin.	Stell.	Stur.	Tau-Mb.	Truro	Uxb.	West.	Worc.
COMU	1	0	0	0	0	0	0	3	0	0	1	0	0	0
TBMU	0	0	0	5	0	0	0	0	0	0	0	0	0	0
RAZO	5	0	4	30	61	0	0	964	0	0	603	0	0	0
BLGU	1	0	0	2	3	0	1	6	0	0	8	0	0	0
ATPU	0	0	0	0	0	0	0	0	0	0	1	0	0	0
RODO	337	366	658	144	194	276	779	400	822	418	156	961	821	954
MODO	405	122	581	620	179	210	139	19	332	540	138	205	212	251
BNOW	7	0	0	0	0	0	0	0	0	0	0	0	0	0
ESOW	0	1	25	5	cw	1	16	0	3	12	2	9	0	2
GHOW	0	2	26	12	0	6	5	0	4	20	13	4	6	3
BDOW	0	0	1	0	0	3	0	0	6	10	0	1	2	0
LEOW	0	0	3	0	0	0	0	0	0	0	0	0	0	0
SEOW	2	0	0	0	0	0	0	0	0	0	0	0	0	0
NSWO	0	0	3	0	0	11	0	0	5	1	0	2	1	0
BEKI	1	2	11	6	12	3	12	0	4	6	6	6	2	6
RHOW	0	0	0	0	0	0	0	0	1	0	0	0	0	0
RBWO	1	3	8	8	5	3	7	0	10	2	0	10	1	6
YBSA	4	0	1	1	0	0	0	0	0	0	0	0	0	0
DOWO	28	21	155	40	16	131	72	7	109	60	20	156	119	96
HAWO	0	3	15	3	0	36	3	0	15	5	2	23	33	20
NOFL	134	14	38	53	17	9	19	3	11	33	11	22	1	3
PIWO	0	0	0	0	0	15	0	0	1	0	0	1	2	1
EAPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATFL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NSHR	0	0	0	0	0	0	0	0	1	1	0	0	0	0
BLJA	132	77	606	216	328	425	72	15	490	341	151	567	438	223
AMCR	776	719	979	718	289	221	868	36	853	378	240	662	1004	813
FICR	0	0	0	0	cw	0	13	0	0	1	0	0	0	0
CORA	0	0	0	0	0	12	0	0	5	0	0	1	7	2
HOLA	191	100	366	169	30	59	0	13	22	67	13	125	0	20
BCCH	471	105	1205	430	537	1065	369	66	1256	467	893	1216	1130	787
TUTI	0	72	377	70	288	297	145	8	371	173	43	514	210	202
RBNU	10	cw	10	0	7	35	10	0	5	4	8	1	15	8
WBNU	2	23	233	19	39	197	65	3	182	54	35	242	153	127
BRCR	3	3	8	2	10	24	8	0	18	4	1	13	7	8
CAWR	96	6	6	109	58	1	42	5	5	34	22	10	1	10
HOWR	0	0	0	0	0	0	1	0	0	0	0	0	0	0
WIWR	1	0	0	2	1	1	3	1	1	0	1	1	0	0
MAWR	5	0	3	2	1	0	0	0	0	0	0	0	0	0
BGGN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GCKI	102	17	96	26	84	182	31	0	163	64	20	110	103	89
RCKI	6	1	0	4	0	0	5	0	0	3	0	0	0	0
EABL	2	15	19	5	12	20	16	0	51	9	19	52	20	2
HETH	41	1	1	10	1	0	1	1	0	4	10	1	0	1
AMRO	1759	3230	250	7478	576	53	799	395	122	699	3335	81	6	23
GRCA	53	0	1	38	3	0	0	1	0	1	4	1	0	0
NOMO	70	12	125	135	38	22	83	7	31	58	48	46	12	55
BRTH	2	0	0	0	0	0	1	0	0	0	0	0	0	0
EUST	1930	9283	18441	6793	1169	1075	44929	450	4259	4632	618	1462	1574	23358
AMPI	0	0	0	0	0	0	0	0	0	1	0	0	0	0
CWAX	371	132	233	746	556	208	107	35	248	357	204	396	105	152
OCWA	12	0	0	0	0	0	0	0	0	0	0	0	0	0

99th CHRISTMAS BIRD COUNT, December 18, 1998-January 3, 1999

species	And.	Ath.	B.B.	C. Ann	C. Cod	Con.Gr.	Bos.	Marsh.	M.V.	Mid-C.	Millis
Nashville Warbler	0	0	0	0	0	0	0	0	1	0	0
Northern Parula	0	0	0	0	0	0	0	0	0	0	0
Yellow-rump. Warbler	1	0	313	61	687	0	149	197	1540	339	0
"Audubon's" Warbler	0	0	0	0	0	0	0	1	0	0	0
Pine Warbler	0	0	5	0	1	0	0	0	5	9	0
Palm Warbler	0	0	40	1	5	0	3	0	10	cw	0
Black-&-white Warbler	0	0	0	0	1	0	0	0	1	0	0
American Redstart	0	0	1	0	0	0	0	0	0	0	0
Northern Waterthrush	0	0	0	0	0	0	0	0	0	2	0
Common Yellowthroat	0	0	0	0	3	0	0	0	1	1	0
Wilson's Warbler	0	0	0	0	0	0	1	0	0	0	0
Yellow-breasted Chat	0	0	0	0	4	0	1	0	0	1	0
Eastern Towhee	0	0	45	0	3	0	0	1	38	12	0
Tree Sparrow	75	268	188	374	73	2168	755	303	56	141	452
Chipping Sparrow	2	0	4	0	16	0	2	0	8	3	4
Clay-col. Sparrow	0	0	0	0	1	0	0	0	0	0	0
Field Sparrow	6	0	33	0	22	4	2	23	55	24	7
Vesper Sparrow	0	0	7	0	0	0	0	0	0	3	0
Savannah Sparrow	0	0	225	3	19	10	5	20	115	12	0
"Ipswich" Sparrow	0	0	0	1	0	0	0	7	2	0	0
Grasshop. Sparrow	0	0	1	0	0	0	0	0	0	0	0
sharp-tail. sparrow sp	0	0	1	0	2	0	0	0	0	1	0
Saltmarsh S.-t. Spar.	0	0	0	0	1	0	0	0	0	0	0
Seaside Sparrow	0	0	0	0	2	0	0	0	0	2	0
Fox Sparrow	0	0	3	0	1	1	0	0	2	0	2
Song Sparrow	23	8	419	138	313	307	432	162	430	429	79
Lincoln's Sparrow	0	0	1	0	0	0	0	0	0	1	0
Swamp Sparrow	0	1	20	9	41	5	24	58	53	94	5
White-thr. Sparrow	11	2	431	47	314	108	394	159	391	320	37
White-cr. Sparrow	0	0	27	0	2	0	2	0	2	2	0
Dark-eyed Junco	343	1265	208	227	37	1492	1523	369	131	36	929
Lapland Longspur	0	0	0	0	1	0	1	0	1	0	0
Snow Bunting	0	0	21	85	47	3	0	86	1	22	8
Northern Cardinal	61	59	379	124	328	360	336	145	250	447	182
Indigo Bunting	0	0	0	0	0	0	2	0	0	0	0
Dickcissel	0	0	0	0	0	cw	0	1	0	0	0
R.W. Blackbird	35	1	29	20	61	57	33	712	7	61	239
Eastern Meadowlark	0	0	1	0	7	1	0	12	10	8	0
Yellow-head. Blkdbd	0	0	0	0	0	0	0	0	0	0	0
Rusty Blackbird	0	0	1	2	2	23	cw	22	0	1	7
Common Grackle	1	2	24	0	11	0	1	0	55	0	0
Br.-headed Cowbird	3	1	0	1	0	9	0	2	0	2	9
Baltimore Oriole	0	0	0	0	1	0	0	0	1	0	0
Bullock's Oriole	0	0	0	0	0	0	0	0	0	0	0
Purple Finch	5	0	0	0	0	4	1	2	3	0	8
House Finch	78	220	466	323	644	585	524	268	371	536	214
Pine Siskin	0	0	0	0	0	0	0	0	0	0	0
American Goldfinch	198	716	663	354	583	1248	833	303	292	406	572
Evening Grosbeak	0	0	0	0	0	0	0	0	0	0	0
House Sparrow	345	362	495	1371	431	1253	1909	800	583	522	562

99th CHRISTMAS BIRD COUNT, December 18, 1998-January 3, 1999

	Nant.	N.B.	Nbpt	Newp	Ply.	Quab.	Quin.	Stell.	Stur.	Tau-Mb.	Truro	Uxb.	West.	Worc.
NAWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOPA	0	0	0	0	1	0	1	0	0	0	0	0	0	0
YRWA	cw	79	258	284	171	0	91	80	0	95	386	9	0	0
"AUWA"	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIWA	7	0	0	0	11	0	1	0	0	1	1	0	0	0
PAWA	4	0	1	1	1	0	1	0	0	3	1	0	0	0
BAWW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COYE	0	0	1	0	0	0	0	2	0	0	0	0	0	0
WIWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YBCH	2	0	0	0	1	0	0	0	0	0	1	0	0	0
EATO	9	0	0	12	7	0	0	0	0	0	2	0	0	0
ATSP	33	62	1052	285	56	611	390	9	452	838	111	602	116	259
CHSP	2	0	0	3	10	0	0	0	0	0	0	0	0	0
CCSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISP	6	11	0	2	25	1	3	0	0	25	4	36	0	2
VESP	0	0	0	1	0	0	0	0	0	0	0	0	0	0
SASP	24	11	5	34	2	0	3	2	0	16	0	0	0	0
"IPSP"	7	0	0	2	2	0	2	1	0	0	0	0	0	0
GRSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STSP	0	0	0	0	1	0	0	0	0	0	0	0	0	0
SSTS	0	0	0	2	0	0	0	0	0	0	0	0	0	0
SESP	0	0	1	0	0	0	0	0	0	0	0	0	0	0
FOSP	cw	0	0	3	0	1	1	0	0	2	0	1	0	0
SOSP	700	34	233	283	154	23	240	7	60	159	93	129	1	60
LISP	0	0	0	0	1	0	0	0	0	0	0	0	0	0
SWSP	20	3	5	57	20	0	7	3	2	29	15	6	1	0
WTSP	291	84	84	522	273	30	109	43	45	90	98	56	4	16
WCSP	17	0	0	27	0	0	0	1	0	2	0	0	0	0
DEJU	92	139	577	211	208	1327	301	22	1124	842	81	1857	623	393
LALO	cw	0	32	0	3	0	0	0	0	0	0	0	0	0
SNBU	126	17	21	0	26	0	18	25	0	0	0	0	0	0
NOCA	223	43	183	175	157	85	83	21	82	158	83	201	39	84
INBU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DICK	0	0	cw	0	0	0	0	0	0	0	1	0	0	0
RWBL	254	17	1	4	2	0	0	0	31	15	7	2	0	3
EAME	14	0	0	18	0	0	0	0	cw	20	2	0	0	0
YHBL	1	0	0	0	0	0	0	0	0	0	0	0	0	0
RUBL	0	0	0	0	0	2	0	0	0	1	0	0	0	0
COGR	12	2	0	27	0	0	0	0	0	2	0	0	0	1
BHCO	1	4	70	485	0	45	0	0	6	87	0	1	1	0
BAOR	0	0	0	3	0	0	0	0	0	0	0	0	0	0
BUOR	1	0	0	0	0	0	0	0	0	0	0	0	0	0
PUFI	2	30	3	3	0	0	0	0	0	2	0	6	0	0
HOFI	240	93	388	363	153	56	258	22	237	218	93	316	210	154
PISI	0	0	0	0	0	0	0	0	0	1	0	0	1	0
AMGO	270	79	554	124	172	317	277	30	318	286	280	429	401	217
EVGR	0	0	0	0	0	0	0	0	0	20	0	0	0	0
HOSP	564	191	1608	370	302	1018	977	75	876	368	238	1032	492	867

CBC Code	CBC Location	Date	Total Birds	Total Species
And.	Andover, MA	Dec 19, 1998	15774	68
Ath.	Athol, MA	Dec 19, 1998	9753	60
B.B.	Buzzards Bay, MA	Dec 19, 1998	23690	122
C. Ann	Cape Ann, MA	Dec 20, 1998	31104	101
C. Cod	Cape Cod, MA	Dec 20, 1998	59799	136
Con.	Concord, MA	Jan 2, 1999	25676	81
Gr. Bos.	Greater Boston, MA	Dec 20, 1998	80516	116
Marsh.	Marshfield, MA	Dec 27, 1998	30224	104
M.V.	Martha's Vineyard	Dec 27, 1998	43618	129
Mid-C.	Mid-Cape Cod, MA	Dec 29, 1998	62573	126
Millis	Millis, MA	Dec 19, 1998	19448	75
Nant.	Nantucket, MA	Jan 2, 1999	109555	130
N.B.	New Bedford, MA	Dec 19, 1998	21784	87
Nbpt	Newburyport, MA	Dec 27, 1998	46083	106
Newp	Newport County-Westport, RI,MA	Dec 19, 1998	44351	121
Ply.	Plymouth, MA	Dec 22, 1998	16566	108
Quab.	Quabbin, MA	Jan 2, 1999	9121	61
Quin.	Quincy, MA	Dec 19, 1998	71078	95
Stell.	Stellwagen Bank, MA	Dec 19, 1998	10200	78
Stur.	Sturbridge, MA	Dec 18, 1998	15767	68
Tau-Mb.	Taunton-Middleboro, MA	Dec 26, 1998	15809	91
Truro	Truro, MA	Dec 28, 1998	14150	90
Uxb.	Uxbridge, MA,RI	Jan 2, 1999	13276	69
West.	Westminster, MA	Dec 26, 1998	9375	50
Worc.	Worcester, MA	Dec 19, 1998	34303	72

We wish to thank all of the compilers who contributed their time to prepare the results for this summary: **Lou Wagner**, Andover; **Dave Small**, Athol; **Richard Harlow**, Buzzards Bay; **Dick McHale**, Cape Ann; **Blair Nikula**, Cape Cod; **Richard Walton**, Concord; **Robert Stymeist**, Greater Boston; **Warren Harrington**, Marshfield; **Robert Culbert**, Martha's Vineyard; **Peter Trimble**, Mid-Cape Cod; **Elissa Landre**, Millis; **Edith Andrews**, Nantucket; **Michael Boucher**, New Bedford; **Dave Emerson**, Newport, RI/Westport, MA; **Tom Young**, Newburyport; **Trevor Lloyd-Evans**, Plymouth; **Scott Sumner**, Quabbin; **Glenn d'Entremont** and **Patty O'Neil**, Quincy; **Simon Perkins**, Stellwagen; **Mark Lynch**, Sturbridge; **Steve Arena**, Taunton-Middleboro; **Tom Lipski**, Truro; **Richard Hildreth**, Uxbridge; **John Phillips**, Westminster; **Fran McMenemy**, Worcester.



Ash-throated Flycatcher
 Photograph by Simon Perkins